

Abstract of (13)

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(54) AFFIXING PROSTHETIC FOR AUTOMATIC SUTURE DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a suture prosthetic material improving a cutting property, a flexibility, and an affixing property by forming a unwoven cloth which has a surface smoother than other surface and is formed of a raw material of a high polymer resolvable and absorptive in a living body of which ventilation degree is controlled less than a fixed value.

SOLUTION: A suture prosthetic material for an automatic suture device is used affixing to a staple acting section and is positioned as a suture prosthetic at a staple section, and an nonwoven cloth formed of a raw material resolvable and absorptive in a living body in an acting area from a staple to a cutter and manufactured by melt blow method. Corresponding with a usage of the automatic suture device, the unwoven cloth is cut in a proper size, one surface for attaching to the staple acting section is formed relatively rough in order to be easily permeated by an adhesive, and the other surface is formed flat without a catch in such a way that the prosthetic is not torn off at an operation. A ventilation degree measured by a method of JISL1018 is controlled less than 0.30 cc/cm²/sec., preferably, 0.05 cc/cm²/sec.

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